

Listing of Claims:

11-36 (cancelled).

37. (new) A computer-implemented method comprising:

receiving a digital broadcast signal comprising a plurality of multimedia streams;

identifying one or more of the multimedia streams that match a set of preprogrammed interest parameters;

caching the one or more multimedia streams over a period of time as each is identified; and

automatically generating a customized information page including the one or more cached multimedia streams for subsequent retrieval by a user.

38. (new) The method of claim 37, wherein receiving comprises receiving the digital broadcast signal from one or more terrestrial digital television broadcast sources.

39. (new) The method of claim 38, wherein the digital broadcast signal comprises an MPEG-2 transport protocol stream received with an ATSC digital television signal.

40. (new) The method of claim 37, wherein the multimedia streams comprise moving picture streams.

41. (new) The method of claim 37, wherein each identified multimedia stream is associated with a multimedia descriptor, and wherein identifying comprises comparing each multimedia descriptor with the set of preprogrammed interest parameters.
42. (new) The method of claim 41, further comprising using the multimedia descriptor to create a multimedia directory that references the one or more cached multimedia streams.
43. (new) The method of claim 37, wherein the preprogrammed interest parameters comprise at least one information category of interest to the user.
44. (new) The method of claim 37, further comprising:
identifying a live multimedia stream that matches the preprogrammed interest parameters; and
incorporating the live multimedia stream into the customized information page.
45. (new) The method of claim 37, further comprising:
retrieving supplemental information from the Internet that matches a set of preprogrammed interest parameters; and
incorporating the supplemental information into the customized information page.

46. (new) The method of claim 37, further comprising:
- receiving a user query;
 - identifying any live multimedia streams that satisfy the user query;
 - identifying any previously-cached multimedia streams that satisfy the user query; and
 - dynamically generating a second customized information page including any identified live and previously-cached multimedia streams in response to the user query.
47. (new) The method of claim 37, wherein the customized information page comprises a web page.
48. (new) A computer-implemented method comprising:
- receiving a digital broadcast signal comprising a plurality of multimedia streams;
 - identifying, for each of a plurality of client systems, one or more of the multimedia streams that match a set of preprogrammed interest parameters for a particular client system;
 - centrally caching the identified multimedia streams; and
 - automatically generating a customized information page for each client system comprising one or more identified multimedia streams for subsequent retrieval by a respective user.

49. (new) The method of claim 48, wherein receiving comprises receiving the digital broadcast signal from one or more terrestrial digital television broadcast sources.
50. (new) The method of claim 48, wherein the digital broadcast signal comprises an MPEG-2 transport protocol stream received with a digital television signal.
51. (new) The method of claim 48, wherein receiving comprises receiving the digital broadcast signal from one of a satellite television source and a cable television source.
52. (new) The method of claim 48, further comprising rebroadcasting a cached multimedia stream to a client system.
53. (new) The method of claim 52, wherein rebroadcasting comprises rebroadcasting the cached multimedia stream over a local area network.
54. (new) The method of claim 48, wherein each identified multimedia stream is associated with a multimedia descriptor, and wherein identifying comprises comparing a multimedia descriptor with the set of preprogrammed interest parameters for the particular client system.

55. (new) The method of claim 54, further comprising generating a multimedia directory that references each cached multimedia stream using information from the respective multimedia descriptors.

56. (new) The method of claim 48, wherein the preprogrammed interest parameters for each client system comprise at least one information category of interest to an associated user.

57. (new) The method of claim 48, further comprising:
identifying a live multimedia stream that matches the preprogrammed interest parameters for a particular client system; and
incorporating the live multimedia stream into the customized information page for that client system.

58. (new) The method of claim 48, further comprising:
retrieving supplemental information from the Internet that matches a set of preprogrammed interest parameters for a particular client system; and
incorporating the supplemental information into the customized information page for that client system.

59. (new) The method of claim 48, further comprising:
receiving a user query from a particular client system;
identifying any live multimedia streams that satisfy the user query;

identifying any previously-cached multimedia streams that satisfy the user query; and
dynamically generating a second customized information page including any live and previously-cached multimedia streams in response to the user query.

60. (new) A method for distributing data, comprising:

 multiplexing a plurality of multimedia streams received from a plurality of data sources;

 modulating the multiplexed streams into a digital signal;

 broadcasting the modulated digital signal to a plurality of receiving systems;

 demodulating the broadcasted signal;

 demultiplexing at least a portion of the plurality of multimedia streams;

 caching a first demultiplexed stream within a receiving system that matches a first set of preprogrammed interest parameters; and

 caching a second demultiplexed stream within a different receiving system that matches a second set of preprogrammed interest parameters.

61. (new) The method of claim 60, wherein broadcasting comprises broadcasting the modulated digital signal using excess broadcast capacity of a terrestrial digital television transmission system.

62. (new) The method of claim 60, wherein broadcasting comprises broadcasting the modulated digital signal using excess broadcast capacity of a plurality of terrestrial digital television transmission systems.

63. (new) The method of claim 60, wherein the each multimedia stream is associated with a multimedia descriptor, and wherein caching comprises caching a multimedia stream having an associated multimedia descriptor that satisfies a particular set of preprogrammed interest parameters.

64. (new) The method of claim 60, further comprising rebroadcasting a cached multimedia stream from a receiving system to one or more client systems.

65. (new) The method of claim 64, wherein rebroadcasting comprises rebroadcasting the cached multimedia streams over a local area network.

66. (new) The method of claim 60, further comprising automatically generating a customized information page within each receiving system including a cached multimedia stream for subsequent retrieval by a user.

67. (new) A system comprising:

a front-end receiver to obtain a digital broadcast signal comprising a plurality of multimedia streams;

a caching component to identify a multimedia stream that matches a set of preprogrammed interest parameters and cache the identified multimedia stream over a period of time as each is identified; and

a page-building component to automatically generate a customized information page including the cached multimedia stream for subsequent retrieval by a user.

68. (new) The system of claim 67, wherein the front-end receiver comprises at least one digital television receiver to obtain the digital broadcast signal from one or more terrestrial digital television broadcast sources.

69. (new) The system of claim 68, wherein the digital broadcast signal comprises an MPEG-2 transport protocol stream received with an ATSC digital television signal.

70. (new) The system of claim 67, wherein the front-end receiver comprises at least one of a satellite television receiver and a cable television receiver.

71. (new) The system of claim 67, wherein the identified multimedia stream is associated with a multimedia descriptor, and wherein the caching component is to

compare the multimedia descriptor with the set of preprogrammed interest parameters.

72. (new) The system of claim 71, wherein the caching component is to use the multimedia descriptor to create a multimedia directory that references the cached multimedia stream.

73. (new) The system of claim 67, wherein the preprogrammed interest parameters comprise at least one information category of interest to the user.

74. (new) The system of claim 67, wherein the caching component is to identify a live multimedia stream that matches the preprogrammed interest parameters; and wherein the page-building component is to incorporate the live multimedia stream into the customized information page.

75. (new) The system of claim 67, wherein the page-building component is to receive supplemental information from the Internet that matches a set of preprogrammed interest parameters and incorporate the supplemental information into the customized information page.

76. (new) The system of claim 67, wherein the page-building component is to receive a user query; wherein the caching component is to identify any live or previously-cached multimedia streams that satisfy the user query; and wherein the

page-building component is further to dynamically generate a second customized information page including any identified live and previously-cached multimedia streams in response to the user query.

77. (new) The system of claim 67, wherein the customized information page comprises a web page.

78. (new) A system comprising:

a front-end receiver to obtain a digital broadcast signal comprising a plurality of multimedia streams;

a caching component to identify, for each of a plurality of client systems, a multimedia stream that matches a set of preprogrammed interest parameters for a particular client system and cache each identified multimedia stream; and

a page-building component to automatically generate a customized information page for each client system comprising an identified cached multimedia stream for subsequent retrieval by a respective user.

79. (new) The system of claim 78, wherein the front-end receiver comprises a digital television receiver to obtain the digital broadcast signal from one or more terrestrial digital television broadcast sources.

80. (new) The system of claim 79, wherein the digital broadcast signal comprises an MPEG-2 transport protocol stream received with an ATSC digital television signal.

81. (new) The system of claim 78, wherein the front-end receiver comprises one of a satellite television receiver and a cable television receiver.

82. (new) The system of claim 78, further comprising a rebroadcasting component to rebroadcast a cached multimedia stream to a client system.

83. (new) The system of claim 82, wherein the rebroadcasting component is to rebroadcast the cached media stream over a local area network.

84. (new) The system of claim 78, wherein each identified multimedia stream is associated with a multimedia descriptor, and wherein the caching component is to compare a multimedia descriptor with the set of preprogrammed interest parameters for the particular client system.

85. (new) The system of claim 84, further wherein the caching component is to generate a multimedia directory that references each cached multimedia stream using information from the respective multimedia descriptors.

86. (new) The system of claim 78, wherein the preprogrammed interest parameters for each client system comprise at least one information category of interest to an associated user.

87. (new) The system of claim 78, wherein the caching component is to identify a live multimedia stream that matches the preprogrammed interest parameters for a particular client system; and wherein the page-building component is to incorporate the live multimedia stream into the customized information page for that client system.

88. (new) The system of claim 78, wherein the page-building component is to retrieve supplemental information from the Internet that matches a set of preprogrammed interest parameters for a particular client system; and incorporate the supplemental information into the customized information page for that client system.

89. (new) The system of claim 48, wherein the page-building component is to receive a user query from a particular client system; wherein the caching component is to identify any live or previously-cached multimedia streams that satisfy the user query; and wherein the page-building component is further to dynamically generate a second customized information page including any live and previously-cached multimedia streams in response to the user query.

90. (new) A system for distributing data, comprising:
a multiplexing unit within a broadcast control center to multiplex a plurality of multimedia streams received from one or more data sources;
a modulating unit within the broadcast control center to modulate the multiplexed streams into a digital signal;

a broadcasting unit within the broadcast control center to broadcast the modulated digital signal to a plurality of receiving systems using one or more separate broadcasters;

a demodulating unit within a first receiving system to demodulate the broadcasted signal;

a demultiplexing unit within the first receiving system to demultiplex the plurality of multimedia streams; and

a caching unit within the first receiving system to identify a demultiplexed stream that matches a set of preprogrammed interest parameters for the first receiving system and cache the identified demultiplexed stream.

91. (new) The system of claim 90, wherein the broadcasting unit is to broadcast the modulated digital signal using excess broadcast capacity of a terrestrial digital television transmission system.

92. (new) The system of claim 90, wherein the broadcasting unit is to broadcast the modulated digital signal using excess broadcast capacity of a plurality of terrestrial digital television transmission systems.

93. (new) The system of claim 90, wherein the identified multimedia stream is associated with a multimedia descriptor, and wherein caching unit is to compare the multimedia descriptor with the set of preprogrammed interest parameters for the receiving system.

94. (new) The system of claim 90, wherein the first receiving system further comprises a rebroadcasting unit to rebroadcast a cached multimedia stream from the receiving system to one or more client systems.

95. (new) The system of claim 94, wherein rebroadcasting unit is to rebroadcast the cached multimedia stream over a local area network.

96. (new) The system of claim 90, further comprising a page-building unit to automatically generate a customized information page including the cached multimedia stream for subsequent retrieval by a user.